



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: **Hisatoshi HIROTA et al.**

Group Art Unit: **3753**

Serial No.: **10/686,481**

Examiner: Not yet assigned

Filed: **October 16, 2003**

Confirmation No.: **8059**

For: **CONTROL VALVE FOR VARIABLE DISPLACEMENT  
COMPRESSOR**

**SUPPLEMENTAL**  
**INFORMATION DISCLOSURE STATEMENT**  
**PURSUANT TO 37 CFR 1.97(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

April 20, 2004

Sir:

The attention of the Patent and Trademark Office is hereby directed to the document listed on the attached Form PTO-1449. One copy of the document (except U.S. patent documents) is attached.

Documents AA, AB, AF and AG were cited in a Search Report for corresponding European patent application. A copy of the Search Report is also enclosed. As to the Japanese publications AG through AI, their English abstracts had already been submitted by the IDS of October 16, 2003 filed along with the application.

No fee or certification is required in connection with this Information Disclosure Statement, since it is being submitted prior to the issuance of a first official action on the merits or expiration of the three month period following the filing date (or the entry of the national stage) of the above-captioned application.

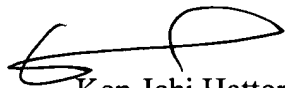
Serial No.:10/686,481

The above information is presented so that the Patent and Trademark Office can, in the first instance, determine any materiality thereof to the claimed invention. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the documents cited in the attached Form PTO-1449 be made of record therein and appear on the first page of any patent to issue therefrom.

The Commissioner is authorized to charge our Deposit Account No. 50-2866 for any fee which is deemed by the Patent and Trademark Office to be required to effect consideration of this statement.

Respectfully submitted,

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PATENT TRADEMARK OFFICE

Enclosures: PTO-1449, 4 references and a copy of European Search Report



<b>INFORMATION DISCLOSURE STATEMENT PTO-1449</b>	Atty. Docket No.: <b>032017</b>	Serial No.: <b>10/686,481</b>
	Applicants: <b>Hisatoshi HIROTA et al.</b>	
	Filing Date: <b>October 16, 2003</b>	Group Art Unit: <b>3753</b>

### U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
_____	AA	5,702,235	Hirota et al.	12/30/1997	417	222.2	04/09/1996
_____	AB	6,340,293	Bona et al.	01/22/2002	417	307	08/25/2000
_____	AC						
_____	AD						
_____	AE						

### FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Translation (Yes or No)
_____	AF	1 091 124	04/11/2001	Europe	N/A
_____	AG	2000-110731	04/18/2000	Japan	Yes (Abstract Only), see page 4 in the spec.
_____	AH	2001-349278	12/21/2001	Japan	Yes (Abstract Only)
_____	AI	2002-31053	01/31/2002	Japan	Yes (Abstract Only)
_____	AJ				

### OTHER DOCUMENTS

_____	AK	
_____	AL	
Examiner		Date Considered